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NOTICE OF ALLOWANCE AND FEE(S) DUE

531	48

7590

06/26/2008

HAMRE, SCHUMANN, MUELLER & LARSON P.C. P.O. BOX 2902-0902 MINNEAPOLIS, MN 55402 EXAMINER
YOHA, CONNIE C
ART UNIT PAPER NUMBER

2827

DATE MAILED: 06/26/2008

10/551,500 07/24/2006 Motoyoshi Murakami 10873.1710USWO 4716

TITLE OF INVENTION: MEMORY CELL, MEMORY USING THE MEMORY CELL, MEMORY CELL MANUFACTURING METHOD, AND MEMORY RECORDING/READING METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	09/26/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifical	correspondence including delow or directed oth tions.	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees w spondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
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							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/551,500	07/24/2006	•	Motoyoshi Murakami	•	10	873.1710USWO	4716
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0		\$1740	09/26/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
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"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required.	ND RESIDENCE DATA	' Indication form ed. Use of a Customer A TO BE PRINTED ON T	(1) the names of up to or agents OR, alternati (2) the name of a single registered attorney or a 2 registered patent attolisted, no name will be THE PATENT (print or typicata will appear on the p	e firm (having as a agent) and the name rneys or agents. If a printed.	memb es of up no nam	er a 2p to le is 3	ocument has been filed for
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NOTE: The Issue Fee and interest as shown by the i	a Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	trom anyone other than to Office.	he applicant; a regi	stered a	ittorney or agent; or th	e assignee or other party in
Authorized Signature				Date			
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This collection of inform an application. Confident submitting the completec this form and/or suggesti Box 1450. Alexandria, V	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bur riginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	retain a benefit by the timated to take 12 n vidual case. Any co er, U.S. Patent and O THIS ADDRESS	ne publ ninutes mment Fraden . SENI	ic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Depa D TO: Commissioner	by the USPTO to process) g gathering, preparing, and ne you require to complete attment of Commerce, P.O. for Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/551,500	07/24/2006	Motoyoshi Murakami	10873.1710USWO	4716	
53148 75	590 06/26/2008		EXAM	INER	
HAMRE, SCHUMANN, MUELLER & LARSON P.C. P.O. BOX 2902-0902			YOHA, CONNIE C		
			ART UNIT	PAPER NUMBER	
MINNEAPOLIS, MN 55402			2827		
		DATE MAIL ED: 06/26/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 154 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 154 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

l Δr	plication No.	Applicant(s)
	/551,500 aminer	MURAKAMI ET AL. Art Unit
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cc	ONNIE C. YOHA	2827
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS (OR herewith (or previously mailed), a Notice of Allowance (PTOL-85) or o NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313 and	REMAINS) CLOSED in ther appropriate communits. This application is su	this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to <u>5/27/08</u> .		
2. X The allowed claim(s) is/are 2-15,17-27 and 29-37.		
 3. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been something. 		r (f).
2. ☐ Certified copies of the priority documents have been		. No
3. Copies of the certified copies of the priority documents have been determined.	• •	
International Bureau (PCT Rule 17.2(a)).	ents have been received	In this national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of the noted below. Failure to timely comply will result in ABANDONMENT THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted INFORMAL PATENT APPLICATION (PTO-152) which gives re		
5. CORRECTED DRAWINGS (as "replacement sheets") must be	submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's	Patent Drawing Review	(PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Am Paper No./Mail Date	nendment / Comment or	in the Office action of
Identifying indicia such as the application number (see 37 CFR 1.84(ceach sheet. Replacement sheet(s) should be labeled as such in the h		
6. DEPOSIT OF and/or INFORMATION about the deposit of attached Examiner's comment regarding REQUIREMENT FOR		
Attachment(s)	5 D Notice of the	anned Detect Application
1. Notice of References Cited (PTO-892)		ormal Patent Application
 Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), 	Paper No./N	mmary (PTO-413), ⁄Iail Date Amendment/Comment
Paper No./Mail Date		
1 D Evaminar's Comment Degarding Paguirement for Descrit	o. M Examiner's S	Statement of Reasons for Allowance
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	9.	

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DETAILED ACTION

Response to Arguments

1. Examiner took notice of the remarks and amendments made by applicant filed on 5/27/08.

Response to Amendment

2. This office action is in response to Amendment filed on 5/27/08.

Claim 2 and 13 amended.

Claims 1, 16 and 28 are canceled.

3. Claims 2-15, 17-27, and 29-37 are pending.

Allowable Subject Matter

- 4. Claims 2-15, 17-27, and 29-37 are allowed.
- 5. Claims 2-15, 17-27, and 29-37 are considered allowable since prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations having in combination with other features, the detecting element is provided independently of the memory medium, comprises: a second magnetic field generating part to apply an offset magnetic field to the magnetoelectric converting part arranged in the vicinity of the magnetic device~ and comprises a magnetoelectric converting part wherein electric characteristics vary in accordance with the magnetization state of the magnetic device

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Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to whose telephone number is (571) 272-1799. The examiner can normally be reached on Mon. - Fri. from 8:00 A.M. to 5:30 PM. The examiner's supervisor, Amir Zarabian, can be reached at (571) 272-1852. The fax phone number for this Group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov should you have questions on access to the Private Pair system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Connie C. Yoha/

Primary Examiner, Art Unit 2827